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Intellectual Property Law & Related Matters

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FACSIMILE TRANSMISSION

TO: USPTO
Examiner: Sudhanshu C. Pathak – Group Art Unit: 2634

FAX NO. (571) 273-8300

FROM: J. Joel Justiss

RE: Serial No.: 09/909,394
Attorney Docket No.: HUANG 11-1-10

- Statement Under 37 C.F.R. 3.73(b)
- Copy of Recorded Assignment
- Certificate of Merger between Agere Systems Guardian Corp. and Agere Systems Inc.

DATE: April 20, 2006

PAGES: 13 (including cover page)

If you do not receive the indicated number of pages, please notify the sender at the telephone number shown below. Thank you.

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Street Address: Palisades Central II, 2435 North Central Expressway, Suite 1300, Richardson, Texas 75080-2753 U.S.A.
Tel: (972) 480-8800 Fax: (972) 480-8865 firm@hittgaines.com

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NO. 4682 P. 2

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Agere Systems Inc.Application No./Patent No./Control No.: 09/909,394 Filed/Issue Date: July 19, 2001Entitled: **SYSTEM AND METHOD FOR RECOGNIZING ZERO-AMPLITUDE SYMBOLS IN A QAM SIGNAL AND DIGITAL RECEIVER INCORPORATING THE SAME**Agere Systems Inc.

(Name of Assignee)

a Corporation

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or a true copy of the original assignment is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

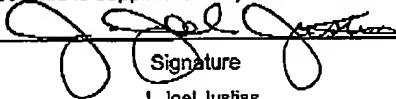
1. From: Gang Huang, et al. To: Agere Systems Guardian Corporation
The document was recorded in the United States Patent and Trademark Office at
Reel 012026, Frame 0603, or for which a copy thereof is attached.
2. From: Agere Systems Guardian Corporation To: Agere Systems Inc.
The document was recorded in the United States Patent and Trademark Office at
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The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

J. Joel Justiss

Printed or Typed Name

April 20, 2006

Date

972-480-8800

Telephone Number

Attorney for Applicant
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NO. 4682 P. 3

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Washington, D.C. 20231

OCTOBER 03, 2001

PTAS

HITT GAINES & BOISBRUN, P.C.
GLENN W. BOISBRUN
P.O. BOX 832570
RICHARDSON, TEXAS 75083



101798984A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/19/2001

REEL/FRAME: 012026/0603
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HUANG, GANG

DOC DATE: 07/10/2001

ASSIGNOR:
LIANG, MIN

DOC DATE: 07/10/2001

ASSIGNOR:
WANG, ZHENYU

DOC DATE: 07/10/2001

ASSIGNEE:
AGERE SYSTEMS GUARDIAN
CORPORATION, A CORPORATION OF
DELAWARE
9333 S. JOHN YOUNG PARKWAY, ROOM
301E1211
ORLANDO, FLORIDA 32819

SERIAL NUMBER: 09909394
PATENT NUMBER:

FILING DATE: 07/19/2001
ISSUE DATE:

012026/0603 PAGE 2

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A
Expires 06/30/99
OMB 0851-0827

08-03-2001

U.S. Department of Commerce
Patent and Trademark Office
PATENT

7-19-07



101798984

HUANG 11-1-10

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Document ID#
- ☐ Correction of PTO Error
Reel # Frame #
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Reel # Frame #

Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)☒ Mark if additional names of conveying parties attached

Name (line 1) Gang Huang

Execution Date
Month Day Year
07 10 2001Name (line 2) **Second Party**

Name (line 1) Min Liang

Execution Date
Month Day Year
07 10 2001Name (line 2) **Receiving Party**☐ Mark if additional names of receiving parties attached

Name (line 1) Agere Systems Guardian Corporation

Name (line 2) a Corporation of Delaware

Address (line 1) 9333 S. John Young Parkway, Room 301E1211

Address (line 2)

Address (line 3) Orlando Florida 32819

City

State/Country

Zip Code

☐ If document to be recorded
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of a domestic
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Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)

08/02/2001 GTDN11 00000207 501735 09909394

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Page 2

U.S. Department of Commerce
Patent and Trademark Office
PATENT**Correspondent Name and Address**

Area Code and Telephone Number (972) 480-8800

Name Glenn W. Boisbrun

Address (line 1) Hitt Gaines & Boisbrun, P.C.

Address (line 2) P.O. Box 832570

Address (line 3) Richardson, Texas 75083

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

7

Application Number(s) or Patent Number(s)☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

N/A		

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
07 10 2001**Patent Cooperation Treaty (PCT)**Enter PCT application number
only if a U.S. Application Number
has not been assigned.PCT PCT PCT
PCT PCT PCT**Number of Properties**

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit AccountEnclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

501735

Authorization to charge additional fees:

Yes ☒No ☐**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Glenn W. Boisbrun

Name of Person Signing

Signature

07/19/2001

Date

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CONTINUATION
PATENTS ONLY

Page 3

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Zhenyu Wang

Name (line 2)

Name (line 1)

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

07 10 2001

Execution Date
Month Day YearExecution Date
Month Day Year

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

DOCKET NO. HUANG 11-1-10

PATENT

ASSIGNMENT

For value received, we, Gang Huang, of Highlands in the County of Monmouth and the State of New Jersey, and Min Liang, a citizen of China and resident of Morganville in the County of Monmouth and the State of New Jersey, and Zhenyu Wang, a citizen of China and resident of Morganville in the County of Monmouth and the State of New Jersey, hereby sell, assign and transfer to Agere Systems Guardian Corporation, a corporation of the State of Delaware, having an office at 9333 S. John Young Parkway, Room 301E1211, Orlando, Florida 32819, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "SYSTEM AND METHOD FOR RECOGNIZING ZERO-AMPLITUDE SYMBOLS IN A QAM SIGNAL AND DIGITAL RECEIVER INCORPORATING THE SAME" described in an application for Letters Patent of the United States, executed by us of even date herewith; and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Guardian Corporation the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Guardian Corporation to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Guardian Corporation to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Guardian Corporation in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Guardian Corporation may designate.

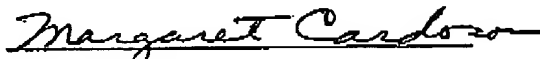
We agree that, when requested, we shall, without charge to Agere Systems Guardian Corporation but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

 7/10/2001
Gang Huang

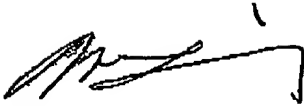
STATE OF New Jersey
COUNTY OF Monmouth

§
§
§

On this 10th day of July, 2001, before me personally came Gang Huang, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

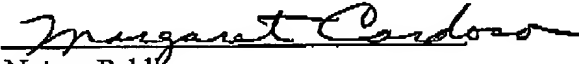

Notary Public

My Commission Expires: **MARGARET CARDOSO**
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 02, 2003


Min Liang 07/10/01

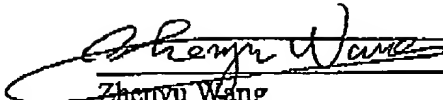
STATE OF New Jersey §
COUNTY OF Monmouth §
§

On this 10th day of July, 2001, before me personally came Min Liang, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

My Commission Expires:


MARGARET CARDOSO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 02, 2003


Zhenyu Wang 7/10/2001

STATE OF New Jersey
COUNTY OF Morrmouth

§
§
§

On this 10th day of July, 2001, before me personally came Zhenyu Wang, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

My Commission Expires:

MARGARET CARDOSO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 02, 2003

Agere Systems Guardian Corporation
9333 S. John Young Parkway; Room 301E1211
Orlando, Florida 32819

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION,
WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 08/29/2002
020545223 - 3268412

**CERTIFICATE OF OWNERSHIP AND MERGER
OF**

**Agere Systems Guardian Corp.
(a Delaware corporation)**

INTO

**Agere Systems Inc.
(a Delaware corporation)**

**UNDER SECTION 253 OF THE GENERAL
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

FIRST: The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

SECOND: On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

RESOLVED that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

THIRD: That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

AGERE SYSTEMS INC.

By Paul Bento
Paul Bento, Vice President